

Inspector's Daily Report

IDR Sheet	1	of	1	Sheets	Final Record Book	Page	
Contract				Day		Date	
C-7852				Tuesday		August 17, 2010	

DIARY - Including but not limited to: a report of the day's operations, time log (if applicable), orders given and received, discussions with contractor, and any applicable statements for the monthly estimate.

7:30 am - 8:30 am

I arrived on-site around 7:30 am and met Brad Schut at the east side of the project. The spot dowels at Jenkins Knob were being drilled and the contractor began mucking around station LW 1317+00 and LW 1336+00. Brad indicated that there was no geotechnical assistance needed at that time; however, the excavations would most likely be finished in the afternoon.

8:30 am - 12:30 pm

I drove to the Hyak office to work on my IDR for 8/16/2010. I requested from Jerry Wood to have the survey crew survey in elevations at every exposed bench at 100 foot spacing. The survey crew indicated that they would spray paint the elevations on the exposed cut slope every 100 feet. Brad called around 12:30 pm and indicated that the contractor had exposed a detached block during mucking operations around station LW 1336+00. He indicated that he talked with Norm Norrish and he would meet us at the site.

1:00 pm - 2:30 pm

I met with Norm and Brad on-site to discuss the detached block located from approximate station LW 1335+75 to 1336+15. The detached block is approximately 40' long by 7' high by 4' thick (Figure 1). The west half of the block shifted down slope a couple of inches and a tension crack runs along the bottom of the block that is open about 2 inches (Figure 2). The east half of the detached block is buttressed by a bedrock protrusion that did not get shot during the previous night's blast (Figure 3). Norm and I discussed the options of removing or stabilizing the block before the next shot. I measured the dimensions and orientations of the block and indicated that I would analyze the detached block for needed reinforcement.

2:30 pm - 5:30 pm

I drove back to the Hyak office to run analysis for the detached block. The required reinforcement to stabilize the detached block is around 87 kips and could be accomplished with 2 Type L rock bolts (50 kips each). Norm indicated that since the block is so large he would prefer that the reinforcement is spread out across the detached block. Norm requested that we locate 4 Type L rock bolts across the block and only tension them to 25 kips each. I called Brad and he requested that we locate the rock bolts at 7:00 am the following morning so we did not hold up the contractor.

I left the site around 5:30 pm

Michael P. Mulhern
 Inspector

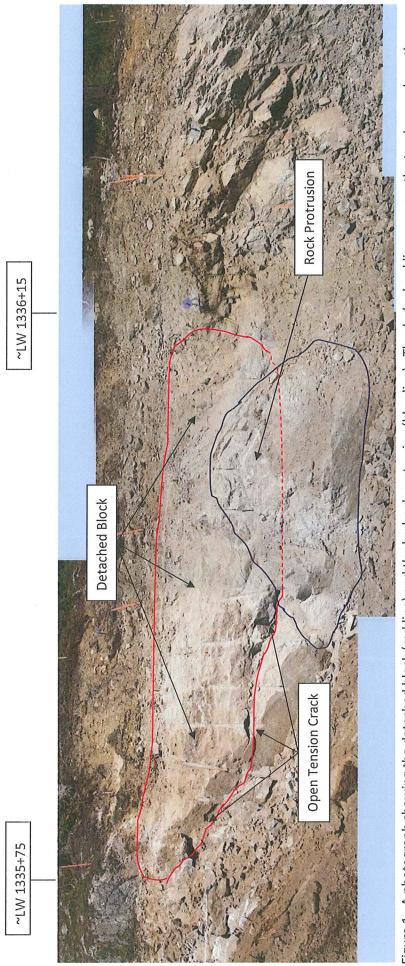
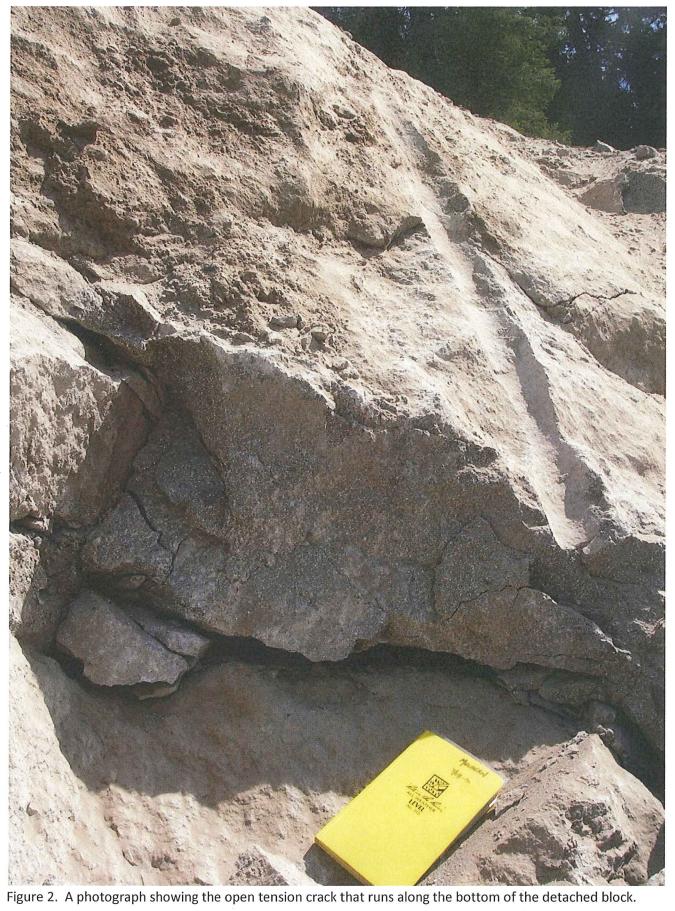


Figure 1. A photograph showing the detached block (red line) and the bedrock protrusion (blue line). The dashed red line assumes the tension crack continues behind the bedrock protrusion.



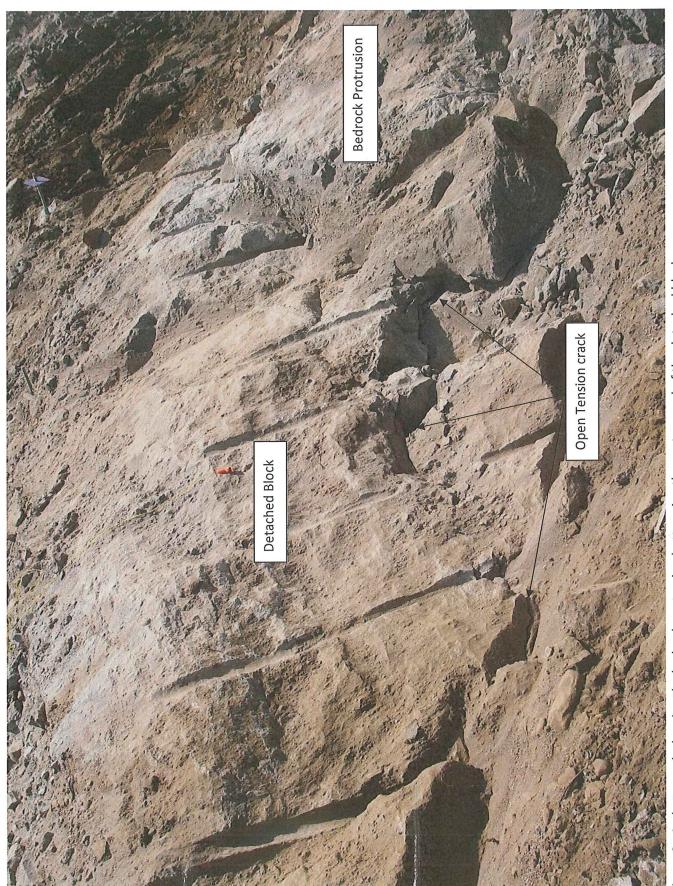


Figure 3. A photograph showing the bedrock protrusion buttressing the eastern end of the detached block.